

## Critical Content and Skills

**Content Area:** Mathematics

### Students will know... Formative Assessment

1. Students will know the vocab: mean, median, mode, and range. Observation

2. Students will know the vocab: quartiles. Quizzes

3. Students will know how to create a tree diagram. Observation

4. Students will know how to solve problems with raw data. Work Sample

5. Students will how to compute data with a tree diagram Prompts

6. Students will know how to demonstrate demographics with the mean, median, mode, and range. Quizzes

### Students will be able to... Product Summative Assessment

1. Students will be able to describe how to use the mean, median, mode, and range can solve problems with raw data. Blog-> Students will blog descriptions of how they can use mean, median, mode and range to solve problems with raw data.

2. Students will be able to illustrate how quartiles can solve problems with raw data. Comic Life-> Students will create a comic life strip that will illustrate how to use quartiles to solve problems with raw data.

3. Students will be able to create a tree diagram. Glogster-> Students will use glogster to create a poster board on which they will create a tree diagram.

4. Students will be able to analyze raw data to solve problems. Imovie-> Students will use Imovie to create a presentation in which they will analyze raw data to solve problems.

5. Students will be able to consider how a tree diagram can compute data. Comic Life-> Students will create a comic life strip that will illustrate how to use a tree diagram to compute data.

6. Students will be able to recognize how the demographics of Haiti can be demonstrated with the mean, median, mode, and range. Wikispace-> Students will create a wiki in which they will indicate how the demographics of Haiti can be demonstrated with the mean, median, mode, and range.

## **Formative**

Q - Quizzes

WS - Work Sample

SA - Self Assessment

P - Prompts

O - Observation

D - Dialogues

## **Product - Summative**

CL- Comic Life

IM - Imovie

B - Blog

PC - Podcast

W - Wikispace

G - Glogster